

and Medical nd Minerals.

E. FOOTE, M. D., ladelphia, Pa.

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## ATLAS WESTERN MIDDLE ANTHRACITE FIELD, PART I.

- Eleven sheets relating to the eastern portion of the Mahanoy-Shamokin Basin between Delano, in Schuylkill county, and Mt. Carmel, in Northumberland county.
- 4 MINE SHEETS, scale 800 feet to 1 inch,  $\frac{1}{9500}$ ths of nature, showing the plan of all the mines and the shape of the floor of the Mammoth Bed, where mined, and its most probable structure in undeveloped areas, by contour curve lines, 50 feet apart.
  - 1. No. I, Delano Sheet, between Delano and Mahanoy City, in Schuylkill county.
  - 2. No. II, Shenandoah Sheet, between Mahanoy City, Shenandoah and Gilberton, in Schuylkill county.
  - 3. No. III, GIRARDVILLE SHEET, in vicinity of Frackville and Girardville, in Schuylkill and Columbia counties.
  - 4. No. IV, ASHLAND SHEET, in vicinity of Ashland, Locust Dale, Centralia, and Montana, in Schuylkill, Columbia, and Northumberland counties.
- 3 TOPOGRAPHICAL SHEETS, scale 1600 feet to 1 inch 19200ths of nature, showing the topography of the surface by contour curve lines, 10 feet apart.
  - 5. No. I, Mahanoy City and Delano Sheet, in the vicinity of Quakake Junction, Delano, and Mahanoy City, in Schuylkill county; embraces area on Mine Sheet No. I.
  - 6. No. II. SHENANDOAH AND GIRARDVILLE SHEET, in the vicinity of Mahanoy City, Shenandoah, Frackville, and Girardville, in Schuylkill and Columbia counties; embraces area on Mine Sheets Nos. II and III.
  - 7. No. III, ASHLAND AND MT. CARMEL SHEET, in the vicinity of Ashland, Locust Dale, Centralia, Montana, and Mt. Carmel, in Schuylkill, Columbia. and Northumberland counties; embraces area on Mine Sheets Nos. IV and V.
- 4 CROSS SECTION SHEETS containing vertical cross sections exhibiting the geological structure of the coal beds. Scale of sections 400 feet to 1 inch,  $\frac{1}{4800}$ ths of nature.
  - 8. No. I Sheet contains 4 sections between East Mahanoy tunnel and West Mahanoy City.
  - 9. No. II Sheet contains 5 sections between West Mahanoy City and Mahanoy Plane.
  - 10. No. III SHEET contains 4 sections between Mahanoy Plane and Girardville.
  - 11. No. IV Sheet contains 2 detail and 11 skeleton sections between East Mahanoy tunnel and Locust Dale.

Notes.—Columnar Section sheets and other illustrations relating to the area covered by the above sheets will be published in Part II.

Single, unfolded copies of the above sheets can be obtained, at cost of printing, by addressing

CHAS. A. ASHBURNER,

Geologist in Charge,

907 Walnut Street Philadelphia

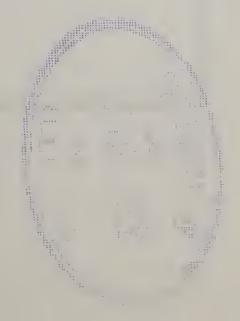
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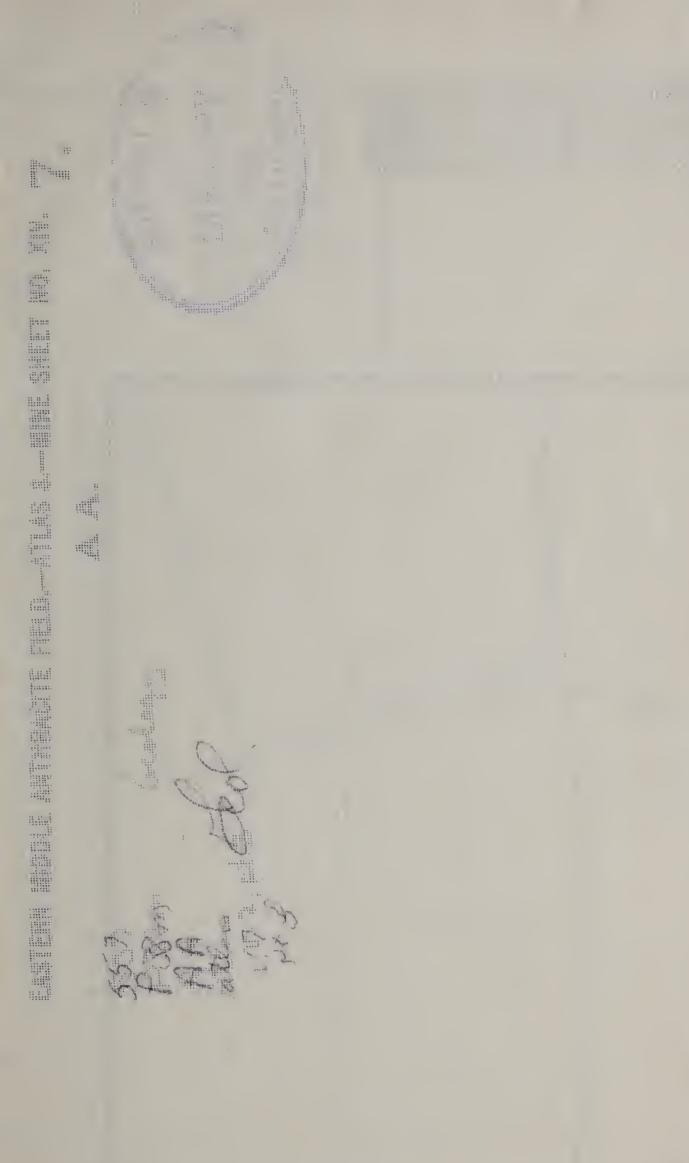
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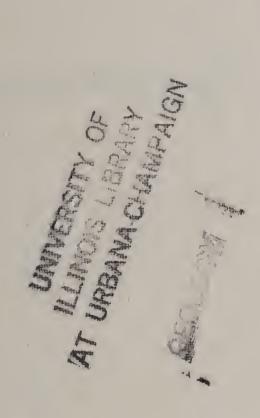
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